

(19) World Intellectual Property
Organization
International Bureau



558351

(43) International Publication Date
9 December 2004 (09.12.2004)

PCT

(10) International Publication Number
WO 2004/105653 A1

(51) International Patent Classification⁷: **A61F 2/36**

(21) International Application Number:
PCT/IT2003/000331

(22) International Filing Date: 29 May 2003 (29.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant and

(72) Inventor: **CURRADINI, Giorgio, E.** [IT/IT]; Via
Stampa, 8, I-20123 Milano (IT).

(74) Agent: **BONINI, Ercole**; Studio Ing. E. Bonini SRL,
Corso Fogazzaro, 8, I-36100 Vicenza (IT).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

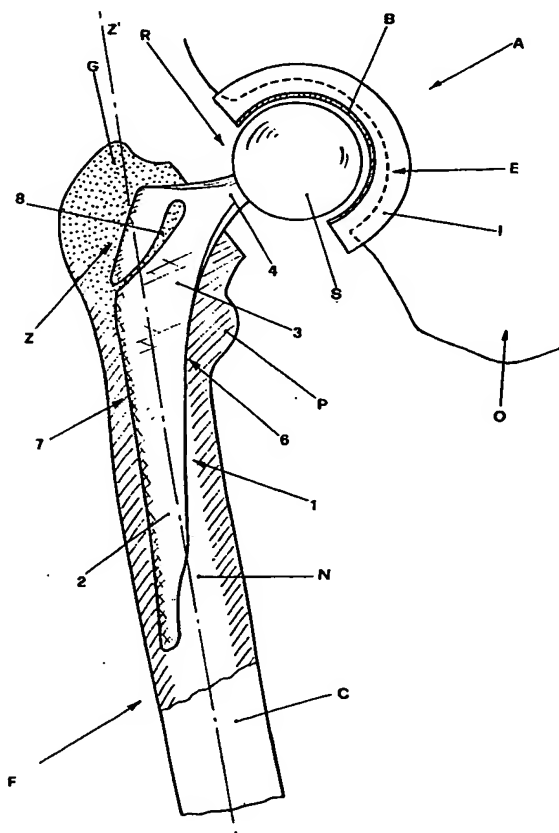
(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **FEMORAL STEM FOR HIP PROSTHESIS**



(57) Abstract: A femoral stem (1; 100) for hip (A) prosthesis (R) is disclosed comprising: a main body (2) with a mainly longitudinal development and a generally wedge shaped, which is inserted into the femoral can (N) present in the body (C) of the femur (F); a central body (3; 101) of a generally trapezoidal shape integral with the main body (2), located in the proximal zone (Z) of the femur (F); an appendix (4) projecting from the central body (3; 101) provided with a terminal pin (5) receiving spherical head (S) of joint into the cotyle (I) belonging to the prosthesis (R) and inserted into the acetabular zone (E) of the pelvic bone (O). The main body (2) and the central body (3; 101) are defined by a shaped surface (6) on one side and a mixtilinear surface (7; 102) on the opposite side from which a shaped notch (8) is starting the central body (3; 101) and extending up to the proximity of the projecting appendix (4).